

ABSTRACT

A process for producing a windable spunlaid material, and a product produced by the process, wherein minimal web compaction occurs and thermal, mechanical and chemical prebonding is not necessary. Filaments are produced and laid on a moving support to provide a web having a machine direction tensile strength of less than 5 N per 5 cm at a basis weight of 50 gsm. The web is then passed through a compacting calender. The filaments of the spunlaid web are not subjected to a temperature exceeding the melting point of the filaments. Preferably, the calender through which the web passes has a surface temperature of less than 130°C at a calender nip pressure of 30 N/mm. The resulting web is windable under low tension, i.e., a tension of less than 40 N/m. The wound spunlaid material can then be stored and/or transport, to provide a nonwoven material.